(FILE 'USPAT' ENTERED AT 12:11:21 ON 11 MAY 94)

L1 5233 S ?RELAXIN OR ?INSULIN OR ?INSULINLIKE OR IGF(W) (I OR II)

L2 433 S C(W) (CHAIN OR PEPTIDE)

L3 1265540 S MODIFI? OR ALTER? OR SHORTEN? OR TRUNCAT?

L4 126 S L1 AND L2

L5 110 S L3 AND L4

L6 45 S L2(P)L3

- 1. 5,304,473, Apr. 19, 1994, A-C-B proinsulin, method of manufacturing and using same, and intermediates in insulin production; Rama M. Belagaje, et al., 435/69.7, 252.33; 514/3; 530/303, 350; 536/23.51 [IMAGE AVAILABLE]
- 27. 4,639,333, Jan. 27, 1987, Process for converting preproinsulin analogs into insulins; Rainer Obermeier, et al., 530/303, 305; 930/10, 260 [IMAGE AVAILABLE]

> 0 < 01 | 0 IntelliGenetics > 0 <

FastDB - Fast Pairwise ^VComparison of Sequences Release 5.4

Results of the initial comparison of US-08-080-354B-3 (1-13) with: Data bank : A-GeneSeq 13, all entries

PARAMETERS

2 20 13			15 10
K-tuple Joining penalty Window size			Alignments to save Display context
Unitary 1 1.00 0.05	0	0	45 0
Similarity matrix Mismatch penalty Gap penalty Gap size penalty	Cut f score	Ran emization group	Initial scores to save Optimized scores to save

SEARCH STATISTICS

Standard Deviation 1.31	Total Elapsed 00:01:29.00	
Median 3		4624329 37412 4795
Mean 1	CPU 00:00:24.10	Number of residues: Number of sequences searched: Number of scores above cutoff:
Scores:	Times:	Number of residues: Number of sequences Number of scores ab

Sr	ace Name	Init. Opt. e Description Length Score Sig. F	Init. Opt. Length Score Score	t. Opt.	S	Sig. Frame	ame
		**** 5 standard deviations above mean	above mean	* * *			
-	. R23998	EGF/HB-EHM.	208	ω		5.35	0
7	. P81758	Sequence encoded by env gene	735	œ	m	5.35	0
m	. R24126	SIVmac239 env gene product.	879	ω	m	5.35	0
4	. P80805	Sequence of env protein of SI	880	æ	m	5.35	0
		**** 4 standard deviations above mean	above mean	****			
1. U	1. US-08-080-354B-3 (1-13)	3 (1-13)					

R23998 EGF/HB-EHM.

\$	
208	
Protein;	
standard;	
R23998 R23998;	
AC I	

DT 09-NOV-1992 (first entry)

DE EGF/HB-EHM.

KW Heparin-binding epidermal growth factor; EGF; HB-EHM;

X 10 X KRKPIGYGSRKKR

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LATPNKEEHGKRKKGKGLGKKRDPCLRKYKDF 90 X 100 X 110 Results of the initial comparison of US-08-080-354B-3 (1-13) with: Data bank : PIR 38, all entries

PARAMETERS

2 20 13			15 10
K-tuple Joining penalty Window size			Alignments to save Display context
Unitary 1 1.00 0.05	0	0	45
Similarity matrix Un Mismatch penalty Gap penalty Gap size penalty	Cutoff score	Randomization group	Initial scores to save Optimized scores to save

SEARCH STATISTICS

Standard Deviation 1.07	Total Elapsed 00:04:16.00
Median 3	
Mean 2	CPU 00:01:09.13
Scores:	Times:

18022824	61248	4792
Number of residues:	Number of sequences searched:	

Sig. Frame		0	0	0	0	0	0	0	0
<u>.</u>		.61	. 61	.61	5.61	.61	.61	.61	.61
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Init. Opt. Length Score Score		00	ω	00	ထ	00	ω	œ	œ
re.	* * * *	œ	œ	œ	œ	ω	ω	ω	œ
Inf	an								
)th	E	72	98	80	208	880	381	381	883
Leng	00 46			"	(4	w	w	w	w
Description	**** 5 standard deviations above mean	8K protein - turnip crinkle v	heparin-binding EGF-like grow	heparin-binding EGF-like grow	diptheria toxin receptor prec	env polyprotein precursor - s	env protein - Human I-cell ly	env polyprotein - simian immu	env polyprotein - simian immu
Sequence Name		1. WMVETC	2. A37300	3. A38432	4. A41914	5. VCLJS2	6. 503068	7. VCLJG3	8. VCLJG5

1. US-08-080-354B-3 (1-13)

WMVETC 8K protein - turnip crinkle virus

10 x

KRKPIGYGSRKKR

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Results of the initial comparison of US-08-080-354B-3 (1-13) with: Data bank : Swiss-Prot 27, all entries

PARAMETERS

K-tuple
Unitary
Similarity matrix

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SEARCH STATISTICS	Scores: Mean Median Standard Deviation $1 3 1.29$	Times: CPU Total Elapsed 00:00:22.98 00:01:23.00	Number of residues: 4624329 Number of sequences searched: 37412 Number of scores above cutoff: 4751	Init. Opt. Sequence Name Description Length Score Score Sig. Frame	1. R05246 Amino acid sequence of open r 97 6 3.87 2. P93143 Sequence encoded by ORF2 of p 314 6 6 3.87 3. R25853 MSH-dependent protein obtd. f 354 6 6 3.87 4. R13729 Human beta2-adreneric-STR2 h 428 6 8 3.87	R28956 HIV gp160-PM precursor up to 513 6 6 3.87 R26445 Rat cytochrome P450 (CC24). 514 6 6 3.87 R23157 Mutant thermostable DNA polym 632 6 6 3.87 R23155 Mutant thermostable DNA polym 632 6 6 3.87 R23155 Human ras proximate GTP activ 689 6 6 3.87	R24513 R24398 R24396 R23154 R23153 R14255	R14903 HIV-1(MN-STI) env protein. 856 6 3.87 R14904 HIV-1(MN-STI) env protein. 857 6 6 3.87 P80345 Sequence encoded by Saccharom 886 6 3.87 R30418 Nearly complete pl07 protein. 935 6 6 3.87 R34783 Human CENP-C antigen.	. R24395 Frod. of the S gene of 15 ft 1454 6 6 3.87 . R24395 Prod. of the S gene of wild t 1454 6 6 3.87 . R13144 Deleted in Colorectal Carcino 1728 6 6 3.87 . R25450 MH mutant porcine ryanodine r 5035 6 6 3.87 . R29298 Nerve growth stimulating prot 9 5 5 3.10	R36857 Insulin-like growth factor-I 10 5 7 3.10 R37513 30AAg, 32Tyr 22-32 Peptide C. 11 5 5 3.10 R376911 Insulin-like growth factor-II 12 5 7 3.10 R36856 Insulin-like growth factor-I 14 5 6 3.10 R36856 Sequence of a peptide that ca 14 5 5 3.10 R34377 Synthetic namma Interferon an 17 5 5 3.10	R36852 Insulin-like growth factor-I 18 5 7 3.10 R36848 Insulin-like growth factor-I 18 5 7 3.10 P50378 Antigenic peptide fragment of 18 5 7 3.10 R36910 Insulin-like growth factor-II 20 5 7 3.10 P40341 755-1 755-1 3.10	R27041	R05246 Amino acid sequence of open reading frame upstream	ID R05246 standard; protein; 97 AA. AC R05246;	DT 10-MAR-1993 (revised) DT 04-AUG-1990 (first entry)
match penal	cap size penalty 0.03 Cutoff score 0	Randomization group 0	Initial scores to save 45 Alignments to save 15 Optimized scores to save 0 Display context 10 SEARCH STATISTICS	Scores: Mean Median Standard Deviation	s 90.	Number of residues: Number of sequences searched: Number of scores above cutoff: Sequence Name Description Description 11484420 33329 A191 Init. Opt. Length Score Sig. Frame	1. VP8 TCV P8 PROTEIN. 2. ENV_SIVML ENVELOPE POLYPROTEIN GPI60 PR 880 8 6.36 0 4. ENV_SIVML ENVELOPE POLYPROTEIN GPI60 PR 880 8 6.36 0 5. ENV_SIVML ENVELOPE POLYPROTEIN GPI60 PR 881 8 6.36 0 5. ENV_SIVML ENVELOPE POLYPROTEIN GPI60 PR 881 8 6.36 0	S-08-080-354B-3 (1-13) P8_TCV P8 PROTEIN.	OS TURNIP CRINKLE VIRUS (TCV). OC VIRIDAE; SS-RNA NONENVELOPED VIRUSES; CARMOVIRIDAE. X 10 X	KRKPIGYGSRKR	Results of the initial comparta bank : A-GeneSeq 13, all e	Similarity matrix Unitary K-tuple 2 Mismatch penalty 1.00 Window size 20 Gap penalty 0.05	Cutoff score 0	Randomization group 0	Initial scores to save 45 Alignments to save 15 Optimized scores to save 0 Display context 10

GACH galline - chicken 65 6 A03316 homeotic protein ACI - Africa 67 6	. JN0416 PsbH protein - Rye . S01386 photosystem II phosphoprotein 73 6 . S04148 photosystem II phosphoprotein 73 6	F2ZMBH photosystem II phosphoprotein 73 6 . F2ZMBH photosystem II phosphoprotein 73 6	504144 ILDOSOMAI Protein 519 - 10f51 74 6 8 841034 cytochrome-c oxidase chain VI 83 6 6 600037 throatelast canal Si 6	531482 sperm-specific protein Phil-1 92 6	. KSEC19 Fibosomal protein 519 - Esche 92 6 . 508639 Homeotic protein zf-61 - Zebr 96 6 . JC1195 plasminogen-related protein B 96 6	. S05334 hypothetical protein 1 - Lact 97 6 . S22454 REP protein - Wood tobacco (f 101 6 . A43262 orf 2=hit - Bdellovibrio bact 101 6 . PW0018 hypothetical protein 105 - Mi 105 6	PW0017 hypothetical protein 105 (grm 105 6 s19375 hypothetical protein YCL046W 107 6 dihydroflavonol 4-reductase - 109 6	40. S04158 proteinase inhibitor precurso 114 6 6 41. S31617 adrenergic receptor beta-2 - 125 6 6 42. S10305 Protemine - Boll weevil 132 6 6 43. S21452 fau protein - Mouse 133 6 6 44. S18101 ubiquitin-like protein / ribo 133 6 6	. JUIZ/8 ubiquitin-like protein / ribo 133 o		1. US-08-080-354B-6 (1-13)	S08555 ribosomal protein L15 - Halobacterium cutirubrum	Initial Score = 7 Optimized Score = 7 Significance = Residue Identity = 53% Matches = 7 Mismatches = Gaps = 0 Conservative Substitutions = =	x 10 x	DKKRIGYGSRRRK		TDKKRRQRGSRIHGGGTHKNSRGA X 10 X 20	Results of the initial comparison of US-08-080-354B-6 (1-13) wideta bank : Swiss-Prot 2^7 , all entries	Parameters	Similarity matrix Unitary K-tuple 2 Mismatch penalty 1.00 Window size 50 Gap penalty 1.00 Window size 13 Gap size penalty 0.05	off score	Randomization group 0	Initial scores to save 45 Alignments to save 15 Optimized scores to save 0 Display context 10	SEARCH STATISTICS
DE Amino acid sequence of open reading frame upstream of lysin gene on DE fragment of lambda.gtl0-lysin4	KW Bacteriophage phi-vML3; lambda .gt 10-lysin4. χ $10~\chi$	DKKRIGYGSRRRK		EFPSKKDEGIGYAFRKDGQLYVGSIK	x 10 x 20	Results of the initial comparison of US-08-080-354B-6 (1-13) with: Data bank : PIR 38, all entries	Paraweters	Similarity matrix Unitary K-tuple 2 Mismatch penalty 20 Gamalty 1.00 Window size 13	Cutoff score 0	Randomization group 0		Initial scores to save 45 Alignments to save 15 Optimized scores to save 0 Display context 10	SEARCH STATISTICS	Scores: Mean Median Standard Deviation 2 3 1.07		Times: CPU Total Liapsed 00:01:18.05 00:04:40.00	Number of residues: Number of sequences searched: Number of scores above cutoff: 4868	Init. Opt. Sequence Name Description Length Score Sig. Frame	#### 4 standard deviations above mean **** #### 4 standard deviations above mean **** ################################	sperm sea	8. R5MXE ribosomal protein L19.eR - Me 149 7 7 4.69 9. D22735 hypothetical nox3 protein - E 334 7 7 4.69	. 312190 mobb protein Intobacillus I 3/8 / 7 4.69 mobb protein - canine 382 7 7 4.69 . 507824 hypothetical protein I - fruit 633 7 7 4.69 . 514382 hypothetical protein - fruit 984 7 7 4.69	ndard deviations above mean - - horse (fragmen 25 Japanese quail 57 2a - Horse 62	7. A34326 protamine - chicken 62 6 7 3.75 8. S18671 Heat shock protein 70 (Sspl) 65 6 6 3.75

4.69 6 0

(1-13) with:

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Times:	CPU 00:00:44.07	йŏ	Total Elapsed 00:02:39.00	Sequence Name	Init. Opt. Description Length Score Scor	t. ore Siç
Number of residues: Number of sequences sea Number of scores above	searched: ove cutoff:	11484420 33329 4275			** 4 standard deviations above mean * 11near peptide 8deltaTNF(1 22 ** 3 standard deviations above mean * 500 fusion protein.	
Sequence Name	Description		Init. Opt. Length Score Sig. Frame	დ 4. ღ. A	ojet 48 seg 223 n B 288	
16 HALCU B3 ECHES B42 LYTPI B42 STRPU B5 PARAN B3 PARAN B1 METVA B1 THIFE P4 EPIVI F1 DROME F TROME	50S RIBOSOMAL PROTICULE TONE H2B.2, SPE HISTONE H2B.2, SPE HISTONE H2B.2, SPE HISTONE H2B.2, SPE HISTONE H2B.3, SPE PRODABLE 50S RIBOSOMOBILIZATION PROTICUL KD PROTEIN (DEDITIVE KD PROTEIN IN SWHI PROTEIN IN SWHI PROTEIN	rd deviations ROTEIN HI16 (F SPERM (FRAGWEN) SPERM.	above mean **** 29 7 7 5.30 0 40 7 7 5.30 0 142 7 7 5.30 0 143 7 7 5.30 0 148 7 7 5.30 0 378 7 7 5.30 0 493 7 7 5.30 0 633 7 7 5.30 0 633 7 7 5.30 0 984 7 7 5.30 0	7. N37974 9. R29623 9. R29623 10. R25853 11. R32108 12. P80300 13. R32020 14. R28956 15. R34934 16. R34934 16. R34934 17. P81758 18. R13786 19. R14904	47/10/31/31/31/31/31/31/31/31/31/31/31/31/31/	- L L L L R R R L R R L R L R L R L R L
1. US-08-080-354B-6 RLIG_HALCU 50S PROTEIN HIJE (FRAGM OS HALOBACTERIUM X 10 X	S-08-080-354B-6 (1-13) L16_HALCU 50S RIBOSOWAL PROTEIN HL16 EIN HL16 (FRAGWENT). HALOBACTERIUM CUTIRUBRUM. X	NEIN HL16 (FRAGMENT)	WENT). DE 50S RIBOSOMAL	126432	f. 879 f. SI 880 o ni 911 ma. 953 ng e 980 me. 1020 huma 1967	
DKKRIGYGSRRK IDKKRRQRGSRIHGGGIHKNSRGA	<pre></pre> <pre>GGTHKNSRGA</pre>			8004084	3080 eadi 3211 -cha 7 prot 9 r-I 10 e C. 11	
X 10 X Results of the Data bank : A-G	20 initial eneSeg 1	comparison of US-08-080-354B-7 3, all entries PARAMETERS	3-354B-7 (1-13) with:	₩ 6 7 8 9 C	in d 12 se y 13 r-1 14 ding 15 r-1 18	
Simerarity matrix Mismatch penalty Gap penalty Gap size penalty	Unitary 1 1.00 0.05	K-tuple Joining penalty Window size	2 20 13	04084G	r-1 01yp 18 01yp 18 01yp 18 01yp 18	
Cutoff score Randomization group	0 0 ar			. US-08-080-354 R22590	8-7 (1-13)	nr necro
Initial scores to Optimized scores t	save 45 to save 0	Alignments to Display contex	o save 15 ext 10	iactor; infalpha OS Synthetic. X	; polylysine. 10 X	
	SEARCH	CH STATISTICS		DKKI	DKKRIGYGSRKKR 	
Scores:	Mean 1	Median St	Standard Deviation 1.31	DYLAGFKAHGKKYRGGGKRKKG 10 20 X	YRGGGKRKKG 20 X	
Times:	CPU 00:00:23.03	йŏ	Total Elapsed 00:01:31.00			

Tumour necrosis

Sig. Frame

4624329 37412 4673

Number of residues: Number of sequences searched: Number of scores above cutoff:

Standard Deviation 0.94

Median 3

Mean 2

Scores:

Results of the initial comparison of US-08-080-354B-7 (1-13) with: Data bank : PIR 38, all entries

PARAMETERS

20 13 K-tuple Joining penalty Window size Unitary 1 1.00 0.05 Similarity matrix Mismatch penalty Gap penalty Gap size penalty

0 0 Randomization group Cutoff score

ر د ک Optimized scores to save

Initial scores to save

Alignments to save Display context

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SEARCH STATISTICS

Standard Deviation 1.09 Median 3 Mean 2

[imes:

Total Elapsed 00:03:57.00

00:01:14.01

sequences searched: residues: Number of s Number of s Number of s

scores above cutoff:

18022824 61248 4955

Description

Sig. Frame 6.42 5.50 Init. Opt. Length Score Score hypothetical nox3 protein - E 334 9
**** 5 standard deviations above mean ****
heparin-binding EGF-like grow 208 8
**** 4 standard deviations above mean ****
ribosomal protein L15 - Halob 29 7 Sequence Name D22735 JC1409 2.

Hypothetical protein - Yeast heparin-binding EGF-like grow DIOR COP protein - variola vi FIOR protein - variola virus DNA-(apurinic or apyrimidinic secY protein - Mycoplasma cap S16512 JC1410 S33114 G36847

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transcriptional activator fhl fhlA protein - Escherichia co regulatory protein ARGRII - y env polyprotein precursor - c cytochrome d complex terminal heat shock protein groEL - Br nitrate reductase (NADH) - wi S29871 BWYMSY A28940 B43827 A36705 S12079 A41667 A25064

1. US-08-080-354B-7 (1-13)

9 Significance 9 Mismatches hypothetical nox3 protein - Emericella nidulans Optimized Score = 9
Matches = 9
Conservative Substitutions 69 9 0 0 0 Initial Score Residue Identity D22735

10 X

DKKRIGYGSRKKR

= == ==

HSLDVSLAYYIKKRLGYGSVKKVKNKNAFILVV

x 130 120 × 110

Results of the initial comparison of US-08-080-354B-7 (1-13) with: Data bank : Swiss-Prot 27, all entries

PARAMETERS

Similarity matrix Mismatch penalty Gap penalty Gap size penalty	Unitary 1 1.00 0.05	K-tuple Joining penalty Window size	2 20 13
Cutoff score	0		
Randomization group	0		
Initial scores to save Optimized scores to save	4. 3.0	Alignments to save Display context	15 10

SEARCH STATISTICS

Standard Deviation 0.97 Median 3 Mean 2 Scores:

00:00:44.00 Times:

Total Elapsed 00:02:35.00

11484420 33329 4341 scores above cutoff: searched: residues: sequences Number of s Number of s Number of s Init. Opt. Length Score Score Description Name

Sequence

0 0

Frame

Sig.

**** 5 standard deviations above mean 248 361 482 522 692 863 918 50S RIBOSOMAL PROTEIN HL16 (F 50S RIBOSOMAL PROTEIN L34. TROPOMYOSIN-LIKE PROTEIN (FRA PROTEIN D10. DNA-(APURINIC OR APYRIMIDINIC PREPROTEIN TRANSLOCASE SECY S CYTOCHROME D UBIQUINOL OXIDAS FORMATE HYDROGENLYASE TRANSCR ENVELOPE POLYPROTEIN GP160 PR ARGININE METABOLISM REGULATIO NITRATE REDUTASE (EC 1.6.6.1 ENV POLYPROTEIN PRECURSOR (CO RL34_BORBU TPM_HANPO VD10_VARV APN1_YEAST SECY_MYCCA CYDA_ECOLI ARGZ YEAST NIA CUCMA ENV CAEVC TECOLI HV128 RL16_HALCU FHLA ΕÑ

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1. US-08-080-354B-7 (1-13)

RIBOSOMAL 505 日 RI16 HALCU 50S RIBOSOWAL PROTEIN HL16 (FRAGMENT).
PROTEIN HL16 (FRAGMENT).
OS HALOBACTERIUM CUTIRUBRUM.
X 10 X

DKKRIGYGSRKKR

6.42 40

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IDKKRRQRGSRIHGGGIHKNSRGA

20 × 10 comparison of US-08-080-354B-8 (1-13) with: Data bank : A-GeneSeq 13, all entries Results of the initial

PARAMETERS

ird deviations above mean **** duck hepatitis 137 8 8 5.56 0 heron hepatiti 305 8 8 5.56 0	**** 5 standard core antigen - duc core antigen - he	1. S12843 2. NKVLHH	8888 4444 46.5.46		Fusion protein of il Short fusion proteil Sequence of insulin	P40026 P40024 R37549
Init. Opt. Length Score Score Sig. Frame	Description	Seguence Name	88888888888888888888888888888888888888		Beta-gal/IGF-1 f Beta-gal IGF-1 f Insulin-like gro	R13759 R13758 R13758 P81213
.8022824 61248 4776	es: ces searched: above cutoff:	Number of residues: Number of sequences Number of scores abo	7 88 4.55 0 7 88 4.55 0 7 8 4.55 0	insulin growt 71 nce of Insuli 71 of human insu 71 Growth Facto 72	Synthetic human insulin growt Amino acid sequence of Insuli Analogue 1GF132 of human insu	32. P81203 33. R05281 34. P94729 35. B11422
Total Elapsed 00:04:07.00	CPU 00:01:15.05	Times:	0 0 0 0 0 0		Insulan-like Growth Factor-1. Synthetic human insulin-like 59-Val insulin-like growth fa	R21709 P50872 P50098
Median Standard Deviation 3 1.08	Mean 2	Scores:	8888 8444 4444 855 855 855		Analogue IGF252 Analogue IGF130 Analogue IGF122	P94660 P94661 P93366
SEARCH STATISTICS	SEAR(888 888 888 888 888		Sequence of oxid Human insulin-li Human insulin-li	P70414 R06306 R06307
			888 44.		Modified mammali Sequence of huma	R10586 P71539
Alignments to save 15 Display context 10	o save 45 to save 0	Initial scores to Optimized scores	888 844 444 655 855 855		IFG-I. Sequence of huma Modified mammali	R33854 P40034 R10587
	group	Randomization gr	888 844 444 444 444 444 444 444 444 444		New insulin-like growth facto Insulin-like growth factor-I Insulin-like growth factor-I.	13. P91501 14. R36847 15. R36846
	0	Cutoff score	0 00 00 1. 4. 4 1. 10 10 1. 10 10		Sequence encoued Sequence of N-te	
ize size	1.00	Gap penalty Gap size penalty	0 8 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		Cd peptide used in C-domain of IGF-1	
K-tuple 2	Uni t	Similarity matri	20 CO CO -	ractor-1 agment of factor-II	Insulin-like gro Antigenic peptid Insulin-like gro	
tries PARAMETERS	IR 38, all entrie: PARAN	Data bank : P	**** 7 8 4.55 7 8 4.55 7 8 4.55	viations above factor-I factor-II factor-I	**** 4 standard de Insulin-like growth Insulin-like growth Insulin-like growth	
onar degeneration, inhetited ferther thy, Alzheimer's disease, infantile tid lipofuscosis or cholestasis rison of US-08-080-354R-8 (1-13) with:	diabetic retinops osteopetrosis, cen		Init. Opt. Score Score Sig. Frame	Ini Length Sco	Description	Sequence Name
growth factor (IGF)—I which promotes the survival of retinal neuronal cells. It can be used for the treatment of retinal neuronal tissues which are suffering from the effects of injury, againg and/or disease such as photodegeneration, trauma, axofomy, neurotoxid-excitatory	tor (IGF) - I which can be used for the suffering from the otodegeneration, to the suffering from the sufficient from the suffering from the suffe	CC growth fac CC cells. It CC which are CC such as ph		4624329 37412 4840	searched: ove cutoff:	Number of residues: Number of sequences Number of scores ab
	, is		Pa	Total Elapsed 00:01:35.00	CPU 00:00:24.10	Times:
		X 10			1	
		SS	Deviation	Median Standard Dev	Mean	Scores:
	×	KRKPIGYGSRRKK		STATISTICS	SEARCH	
		x 10 x	15 10	Alignments to save Display context	save 45 to save 0	Initial scores to Optimized scores t
growth factor-I functional derivative	Insulin-like growt	R36857				
	B-8 (1-13)	1. US-08-080-354B-8			0 dn	Randomization group
						Cutoff score
of insulin-lik 101 7 8 4.55 0 id by "peptide 103 7 8 4.55 0 peptide. 103 7 8 4.55 0 ision protein. 111 7 8 4.55 0	Fusion protein of insulin-1: Sequence encoded by "peptid CLa protective peptide. Somatostatin fusion protein	42. P82123 43. P60077 44. R13322 45. R07441	2 20 13	K-tuple Joining penalty Window size	Unitary 1 1.00 0.05	Similarity matrix Mismatch penalty Gap penalty Gap size penalty

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en - duck hepatit en - duck hepatit en - duck hepatit en - duck hepatit en - duck hepatit	growth factor I I 2.8K protein of growth factor I growth facto	receptor 5HT-dro2
core antig core antig core antig core antig	sulin-1 sulin-1	Serotonin
3. NKVLDS 4. NKVLWD 5. NKVLBD 6. NKVLD	7. S07198 8. A37415 9. A32857 10. S00465 11. IGB01 12. A28504 13. A27866 15. A27849 16. JH0133 16. JH0133 16. JH0133 17. A25540 18. B405540 20. A40912 22. JN00988 22. JN00988 23. A36552 24. IGGP1 25. S22877 35. A26859 37. A26865 37. A26865 38. A26865 38. A26869 39. A26869 31. JH00550 42. S08031 41. JH0550 42. S08031	5. 5181

1. US-08-080-354B-8 (1-13)

- duck hepatitis virus (fragment) antigen core 512843

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KRKPIGYGSRRKK

AQGGRKTTTGTRKPRGLEPRRRKVKTTVVYGRR 8

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7. US-08-080-354B-8 (1-13)

Insulin-like growth factor - Sheep S07198

× KRKPIGYGSRRRK 10 ×

OFVCGDRGFYFNKPIGYGSSSRRAPQTGIVDEC 20 x 30 x 40

Results of the initial comparison of US-08-080-354B-8 (1-13) with: Data bank : Swiss-Prot 27, all entries

PARAMETERS

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	ਜਜ	Deviation	apsed		Init. Score	*
>1	save t	Standard 0.96	otal Ela 0:02:47		Length	00000
penalty 1ze	to ntex S	St	900			I OK OKK OOKI
o to	Alignments Display con STATISTICS	dian 3		4420 13329 4163		1 m m m m m m m m m m m m m m m m m m m
K-tuplo Joinin Window	₫ Ω	Medi		11484		N N N N N N N N
ary .00 .05	45 0 0 SEARCH	an 2	U 48.03	d: ff:	uo	у Б Б. Ш
Unitary 1.00 0.05 0	ve save	Mean 2	CPU 00:00:4	searched ve cutof	escription	CELENNY H AND
rix ty ty ty group	o save to sa		0	0	Desc	
11 cm cm	cores to scores			residues: sequences scores ab	Name	CORA HPBHE CORA HPBDM CORA HPBM CORA HPBM CORA HPBDM CO
imilarity maismatch penarappenalty ap size penalty ap size penalty utoff score andomization	O	ÿ		900		CORA HPBHE CORA HPBDM
Similari Mismatch Gap pena Gap size Cutoff se	Initial somptimized	Score	Times	Number Number Number	Seguence	1084.0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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1. US-08-080-354B-8 (1-13)

CORE ANTIGEN. CORA_HPBHE HERON HEPATITIS B VIRUS. So

VIRIDAE; DS-DNA ENVELOPED VIRUSES; HEPADNAVIRIDAE. 200

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